

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------------|------------------|---------|------------------|
| S111 | 473 | heaters and (wave adj guide waveguide) and temperature near3 gradient | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 10:23 |
| S112 | 4597 | heaters same temperature near3 gradient | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 10:23 |
| S113 | 5057 | S111 andf S112 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 10:20 |
| S114 | 168 | S111 and S112 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 10:20 |
| S115 | 8311 | array\$2 near2 (waveguide wave adj guide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 10:20 |
| S116 | 22 | S114 and S115 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 10:23 |
| S117 | 165 | heaters and (wave adj guide waveguide) and temperature near3 gradient | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:58 |
| S118 | 883 | heaters same temperature near3 gradient | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:23 |
| S119 | 53 | S117 and S118 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:56 |
| S120 | 10 | S119 and S115 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:23 |
| S121 | 6 | S119 and heaters with above with (wave adj guide waveguide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:53 |
| S122 | 1 | 10/669206 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:54 |
| S123 | 1 | S122 and laser near5 fuses | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:54 |
| S124 | 5 | S119 and heaters same (fus\$3 link\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:56 |
| S125 | 18 | S117 and heater\$2 same power near supply | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 10:59 |
| S126 | 2 | S117 and heater\$2 same power near supply same connection | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 12:19 |

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| S127 | 4 | "heaters" and (wave adj guide waveguide) and fuse same heater same power near3 (supply source) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:20 |
| S128 | 1 | junnarkar-mahesh.in. and waveguide and heater | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:21 |
| S129 | 2 | BANDYOPADHYAY-ANIRBAN.in. and heater and waveguide | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:26 |
| S130 | 6926 | laser near8 fuse | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:27 |
| S131 | 111 | S130 and waveguide | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:27 |
| S132 | 2 | S131 and waveguide same heater | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:28 |
| S133 | 2 | S130 and waveguide same heater | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:28 |
| S134 | 23 | S130 and waveguide same heat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:30 |
| S135 | 3 | array\$3 near waveguide and laser near8 fuse | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:31 |
| S136 | 43 | array\$3 near waveguide and laser near8 fuse\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:32 |
| S137 | 153 | laser same (open\$4 clos\$4) same fuse\$1 and waveguide | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:33 |
| S138 | 16 | laser same (open\$4 clos\$4) same fuse\$1 and waveguide and heater | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:34 |
| S139 | 6 | laser same (open\$2 clos\$2) same fuse\$1 and waveguide and heater | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:53 |
| S140 | 727 | laser with (open\$2 clos\$2) with fuse\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:54 |
| S141 | 6554 | array\$2 near waveguide | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:54 |
| S145 | 11 | S140 and waveguide | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/13 12:54 |
| S146 | 2589 | laser near fuse\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:39 |

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| S147 | 27 | S146 and waveguide | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:42 |
| S148 | 30 | S146 and (waveguide wave adj guide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:42 |
| S149 | 27 | S148 and @ad<="20030924" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:42 |
| S150 | 18 | S148 and @pd<="20030924" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:46 |
| S151 | 106 | (blow\$3 open\$3) near2 fuse\$1 and (waveguide wave adj guide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:48 |
| S152 | 80 | S151 and @pd<="20030924" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:48 |
| S153 | 11 | S152 and laser same fus\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:49 |
| S154 | 82 | (blow\$3) near5 fuse\$1 and (waveguide wave adj guide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:48 |
| S155 | 59 | S154 and @pd<="20030924" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:00 |
| S156 | 8 | S155 and laser same fus\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:50 |
| S158 | 18 | laser adj fuse\$1 and (waveguide wave adj guide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:51 |
| S159 | 640 | ((blow near5 fus\$1) same laser) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 12:59 |
| S160 | 84 | S159 and optic\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:00 |
| S161 | 66 | S160 and @pd<="20030924" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:12 |
| S162 | 39 | waveguide near8 heaters same actuat\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:14 |
| S163 | 5982 | heaters with fuse\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:13 |
| S164 | 1 | S163 and S162 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:13 |

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| S165 | 100 | waveguide near8 heaters and select\$6 near5 heater | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:15 |
| S166 | 23 | S165 and actuat\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:31 |
| S168 | 0 | heat\$3 near20 waveguide and blow near8 fuse\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 13:22 |
| S169 | 18 | heaters with waveguide and heaters near20 actuat\$6 near20 select\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:01 |
| S170 | 18 | laser adj fuse\$1 and (waveguide wave adj guide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:32 |
| S171 | 575 | laser adj fuse\$1 and fuse\$1 near3 blow\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:34 |
| S172 | 80 | S171 and (waveguide wave adj guide optic\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:37 |
| S175 | 77 | array\$2 near5 heater same conductors | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:38 |
| S176 | 6 | S175 and fuse | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:42 |
| S177 | 1220 | "385"/\$.ccls. and fuse | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:46 |
| S178 | 4 | S177 and laser adj fuse | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/14 15:51 |
| S182 | 10 | (lightguide light adj guide) and blow near3 fuse | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/15 10:57 |
| S186 | 11 | ("4090776" "4378490" "4978188" "5002350" "5136671" "5500031" "5506925" "5625723" "5694512" "5745271" "5768452").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/15 12:51 |
| S187 | 192 | arrayed near waveguide and "heaters" | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/15 12:51 |
| S188 | 142 | S187 and @ad<="20030924" | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/15 12:51 |
| S189 | 76 | S187 and @pd<="20030924" | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/15 12:52 |
| S190 | 7 | S189 and actuat\$6 same heater | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/15 13:30 |
| S191 | 2 | S190 and deacon.in. and select\$6 same actuat\$6 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/15 13:40 |
| S192 | 4 | array near9 electrodes same actuat\$6 same fuse | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/09/15 13:41 |

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| S193 | 2 | actuat\$6 near10 laser adj fuse | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/09/15 13:43 |
| S197 | 15 | waveguide near8 grating and laser near5 fuse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 13:56 |
| S199 | 6 | waveguide near8 grating and laser near5 fuse same heat\$3 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:29 |
| S200 | 1 | waveguide near8 grating and laser near5 fuse near10 actuat\$6 same heat\$3 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 13:57 |
| S201 | 5 | arrayed near waveguide and optical near3 fuse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:29 |
| S203 | 122512 | optical same lasernear fuse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:30 |
| S204 | 42 | optical same laser near fuse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:30 |
| S205 | 3 | actuat\$6 near6 laser near fuse | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:37 |
| S208 | 1 | blow with fuse with laser with (automat\$3 actuat\$6) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:44 |
| S210 | 2 | blow with fuse same laser with fuse same (automat\$3 actuat\$6) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 16:14 |
| S211 | 6 | (waveguide wave adj guide) same fuse with (automat\$6 actuat\$6) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:47 |
| S213 | 2 | (waveguide wave adj guide) with heat\$3 and fuse with (actuat\$3 automat\$3) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:51 |
| S214 | 5 | "6423582" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:52 |
| S216 | 6 | (planar array\$2) near (wave adj guide waveguide) and (fuse near20 (select\$4 actuat\$3 automat\$3)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:57 |
| S217 | 28 | "5206854" "5943645" "6522688" | USPAT | OR | ON | 2005/09/15 15:56 |
| S218 | 59 | (wave adj guide waveguide) and (fuse near20 (select\$4 actuat\$3 automat\$3)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 15:57 |
| S220 | 12 | laser adj fuse same (automat\$3 actuat\$6) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/09/15 16:15 |